

Patent

Customer No.: 006980

Docket No.: GTRC25CIP1

011529.109846

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of )

JAYARAMAN, S., et al. )

Serial No.: 09/713,161 )

Filed: November 14, 2000 )

For: **A NOVEL FABRIC-BASED SENSOR** )  
**FOR MONITORING VITAL SIGNS** )

Group Art Unit: 3739

Examiner: D. Ruddy

Honorable Assistant Commissioner of  
PatentsBox Non-Fee Amendment  
Washington, D.C. 20231

Atlanta, Georgia 30308-2216

April 30, 2002

**AMENDMENT AND RESPONSE TO OFFICE ACTION**

Dear Sir:

The Office Action mailed on January 31, 2002 has been received and reviewed.

Applicants present the following amendments and remarks.

**In the Specification**

Page 1, line 3, after "March 19, 1999" please insert "now U.S. Patent No. 6,381,482--".

A copy of the paragraph, as amended, is provided as an appendix hereto.

**In the Claims**Please amend the claims as follows. A marked-up copy of the claims is provided in an  
appendix hereto.1. (Amended) A fabric-based sensor for transmitting electrical impulses or other vital  
signs comprising:(a) a fully-conductive fabric of one or more integrated individually  
conductive fibers; and

Please type a plus sign (+) inside this box →

+

PTO/SB/21 (6-98)

Approved for use through 09/30/2000. OBM 0651-0031  
Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	09/713,161	
	Filing Date	14 November 2000	
	First Named Inventor	Jayaraman	
	Group Art Unit	3739	
	Examiner Name	Ruddy	
Total Number of Pages in This Submission	11	Attorney Docket Number	GTRC25CIP1

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) (2) <input type="checkbox"/> Extension of Time Request; 1 mo. <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 C.F.R. § 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) sheets <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request for Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Additional Enclosure(s) (please identify below)
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Jacqueline Haley, Registration No. 41,457
Signature	<i>Jacqueline Haley</i>
Date	April 30, 2002

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being transmitted via facsimile to the U.S. Patent and Trademark Office addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date			
			April 30, 2002
Typed or printed name	Jacqueline Haley		
Signature	<i>Jacqueline Haley</i>	Date	April 30, 2002

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

**FEE TRANSMITTAL  
for FY 2002**

Patent fees are subject to annual revision

**TOTAL AMOUNT OF PAYMENT (\$117.00)****Complete if Known**

Application Number	09/713,161
Filing Date	14 November 2000
First Named Inventor	Jayaraman, et al
Examiner Name	Ruddy
Group Art Unit	3739
Attorney Docket No	GTRC25CIP1 (011529.109846)

**METHOD OF PAYMENT**

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:
- Deposit Account Number: **20-1507**
- Deposit Account Name: **TROUTMAN SANDERS LLP**
- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- ☐ Applicant claims small entity status. See 37 CFR 1.27
2. ☐ Payment Enclosed:  
☐ Check ☐ Credit card ☐ Money ☐ Other Order

**FEE CALCULATION****1. BASIC FILING FEE**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
<b>SUBTOTAL (1)</b>					<b>(\$)</b>

**2. EXTRA CLAIM FEES**

Total Claims	Extra Claims	Fee from below	Fee Paid
33	- 20** = 13	X \$9.00 = \$117.00	
Independent Claims	2	- 3** =	X \$ = \$0
Multiple Dependent			

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
103	18	203	9	Claims in excess of 20	
102	84	202	42	Independent claims in excess of 3	
104	280	204	140	Multiple dependent claims, if not paid	
109	84	209	42	** Reissue independent claims over original patent	
110	18	210	9	** Reissue claims in excess of 20 and over original patent	
<b>SUBTOTAL (2)</b>					<b>(\$) 117.00</b>

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for examination	
112	920*	112	920*	Requesting publication of SIR after Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	218	460	Extension for reply within third month	
118	1440	218	720	Extension for reply within fourth month	
128	1960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Unity issue fee (or fee)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Refunds to the Commissioner	
123	50	123	50	Refunds related to provisional applications	
126	180	126	180	Submission of Information Disclosure Sheet	
581	40	581	40	Recounting each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))	
149	740	249	370	For each additional submission to be examined (37 CFR 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify)					
<b>SUBTOTAL (3)</b>					<b>(\$)</b>

\* Reduced by Basic Filing Fee Paid

**SUBMITTED BY**

Name (Print/Type)	Jacqueline Haley	Registration No (Attorney/Agent)	41,457	Telephone	404-885-3561
Signature	<i>Jacqueline Haley</i>	Date	April 30, 2002		

**WARNING:** Information of this may become public. Credit card information should not

678318\_2 DOC be included on this form. Provide credit card information and authorization on PTO-2038.

Apr-30-2002 17:49

From-TROUTMAN SANDERS

T-680 P.001

F-219

CONFIDENTIAL

**Troutman Sanders LLP**

ATTORNEYS AT LAW

*A Limited Liability Partnership*

BANK OF AMERICA PLAZA

600 PEACHTREE STREET, N.E. - SUITE 5200

ATLANTA, GEORGIA 30308-2216

www.troutmansanders.com

FACSIMILE: 404-885-3900

FAX RECEIVED

APR 30 2002

GROUP 3700

**FACSIMILE TRANSMITTAL**

**SENDER'S DIRECT DIAL NO.**

404-885-3561

**SENDER'S DIRECT FACSIMILE NO.**

404-962-6848

**FLOOR**

46

**Date:** April 30, 2002

**To:** Examiner D. Ruddy

**Operator:** J. Haley

**Firm:** U.S. Patent and Trademark Office

**Recipient #:** 703-308-3595

**Fax #:** 703-872-9302

**From:** Jacqueline Haley

**Subject:** Response to Office Action

Number of pages including this cover sheet = 12  
If all pages are not received, please call 404-885-3561

Original Will Not Be Sent

\*\*\* COMMENTS \*\*\*

The information which follows and is transmitted herewith is attorney/client privileged, trade secret and/or confidential information intended only for the viewing and use of the individual recipient named above. If the reader of this message is not the intended recipient, you are hereby notified that any review, use, communication, dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please immediately notify us by telephone and return the original message to us at the above address via the U. S. Postal Service or Overnight Delivery Service at our expense. Thank you.